

# OHK00371

## Optical sensors • Frame light barriers

Sensor Optical, frame 100x98, 140x20x148mm, static and dynamic, resolution 3mm, 10-35V DC, PNP NC/NO, M8 connector 3pin, IP67, Aluminum+PMMA, With time function



Optoelectronic frame photoelectric sensors and ring sensors operate according to the principle of the through-beam photoelectric sensor. The housing contains a large number of emitter and receiver elements that form a light curtain and thus detect and record a wide variety of objects. Application examples for these systems are ejection controls at presses, presence controls and length measurements of wires or pipes.

### Electrical features

Display	LED display
Type of switching function	Normally closed contact/normally open contact
Type of electrical connection	Connector M8
Type of switching output	PNP
Rated switching current	200 mA
Setting procedure	Potentiometer
Pulse stretching	0,1 - 150 ms
Short-circuit protection	Yes
No-load current	50 mA
Number of pins	3
Reaction time	0.1 ms
Reverse polarity protection	Yes
Operating voltage (DC)	10 - 35 V
Time function	Yes
Output functions	Switching point   Switching behavior (static/dynamic)

**Mechanical features**

Design	Cuboid
Constructive design	One-piece
Width	148 mm
Active zone width	100 mm
Height	140 mm
Active zone height	98 mm
Length	20 mm
Frame opening, lengthwise	100 mm
Frame opening, crosswise	98 mm
Degree of protection (IP)	IP67
Active area material of sensor	Plastic (PC)
Housing material	Aluminum
With mechanical impact protection	Yes
Ambient temperature	-25 - 55 °C

**Optical features**

Resolution, dynamic	2.5 mm
Resolution, static	3 mm
Light source	Infrared light
Min. object size	3 mm
Wavelength of the sensor	940 nm

**Other features**

Features	with compressed air connection
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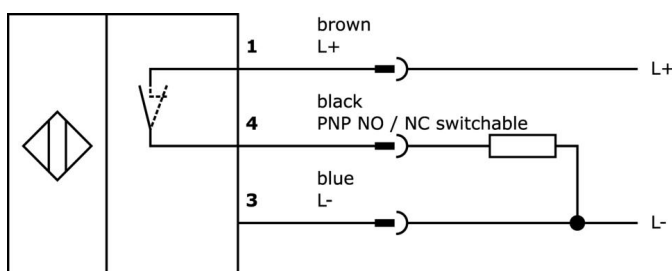
**Classification**

ETIM 8	EC002721 Frame light barrier
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**More**

IPF Product Group	112 frame light barriers
packaging dimensions	290 x 230 x 61 mm
gross weight	641 g
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

**Connection**





**Installation**

Mounting / installation may only be carried out by a qualified electrician!

**Disposal**

WEEE number according to § 6 para. 3  
ElektroG: 40951076

**Safety warnings**

- / Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.
- / Never use these devices in applications where the safety of a person depends on their functionality.